

ULTRA FLEX 50

Release: 1st July 2010

Product Description: Ultra Flex 50 is a unique UV resistant waterbased urethane blend membrane. The combination of 50% aliphatic urethane and 50% acrylic styrene copolymer places this membrane above the rest of our range. This combination forms a very robust and strong membrane that is quite often specified for external applications mainly close to the sea environment. This combination resists the adverse consequence of salt water and general extreme environments.

The use of this membranes should be reserved for applications where general waterbased membranes will not cope or where superior performance is specified. This is technically (on CSIRO results), one of the very best waterbased membranes in the market.

Ultra Flex 50 is a CSIRO Certified membrane – Report 5541 (2010) with the following general characteristics.

- 963% stretch – Class 111
- 50% aliphatic urethane / 50% acrylic styrene.
- Passes AS/NZS 4858:2004 – Durability of waterproofing membranes.
AS/NZS 4858:2004 – Resistance of waterproofing membranes to cyclic movement.
ASTM E96 – Moisture Vapour Transmission.

This membrane as well as Ultra Flex 75 and Ultra Flex 100 are not routinely stocked but are manufactured to order in the colour and size required.

Application Indication: Ultra Flex 50 used in applications where standard waterbased membranes are considered inadequate for the task and where solvent based membranes are not acceptable. The high urethane makeup of this membrane renders it suitable for the most severe external environments as well as wet areas applications as found in AS 3740.

Substrate Preparation & Priming:

Concrete, new (green) concrete will need to be primed with Hydro Static EPOXY waterbased epoxy primer after the laitance has been removed. Old concrete will need to be treated (shot blasting, scabbling / diamond grinding or degreasing/high pressure washed etc), before a

Priming system is applied. We recommend a two pack, water or chemical based epoxy

primers. For priming over wood surfaces, use a suitable wood priming system and apply the Ultra Flex within the application window. All steel surfaces must have all traces of rust treated and them primed with a suitable metal etch primer. For most surfaces the two pack epoxy primer will suffice. For specific substrate preparation, contact the distributor listed overleaf.
IF IN DOUBT, TEST ADHERE BEFORE YOU UNDERTAKE THE APPLICATION.

Application:

Stir the contents well prior to application. Apply by trowel, brush or long-nap roller to obtain a consistent and even coating. Apply in two coats to achieve a 1.0 to 1.2mm dry coat. This is achieved by undertaking two application coats at a rate which utilizes 15L of membrane over 8 – 10sm - with reinforcement.

Also refer to the Ultra Flex Data Sheet for the full range of application details.